

PRELIMINARY REPORT
INDUSTRY SERIES1982
Census of
Construction Industries

CC82-I-3(P)

Issued March 1984

OPERATIVE BUILDERS
(Industry 1531)

During 1982, the establishments with paid employees classified in this industry accounted for \$18.4 billion in total business receipts. Of this amount, \$15.8 billion were receipts for construction work. These establishments paid out \$3.8 billion for materials, components, supplies, and fuels and \$6.7 billion for construction work subcontracted to others. This industry had total average employment of 108,253 employees with total payroll of \$1.9 billion. Value added for 1982 was \$5.7 billion.

Establishments classified in this industry are primarily engaged in the construction of single-family houses and other buildings for sale on their own account rather than as contractors. This industry includes speculative builders and condominium developers. For specific examples, refer to the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.

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Table 1. General Statistics for Establishments With Payroll by States: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Location of establishment	1982							
	Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
		All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H	
United States	14 045	108 253	53 204	1 884 747	706 103	89 437	15 826 517	9 109 897
Alabama	231	1 392	784	17 509	8 142	1 325	119 933	71 325
Alaska	108	515	385	10 615	8 149	655	82 974	49 627
Arizona	264	3 466	1 344	68 601	20 213	2 313	661 493	330 230
Arkansas	98	514	305	7 001	2 845	557	52 587	36 672
California	1 391	14 973	5 189	344 057	83 721	8 501	2 685 645	1 394 362
Colorado	410	3 385	1 697	72 058	26 723	2 845	790 362	463 081
Connecticut	255	1 438	965	22 058	12 707	1 724	126 080	80 429
Delaware	38	323	242	5 457	3 931	405	35 216	19 972
District of Columbia	31	479	260	10 569	4 021	401	58 691	24 414
Florida	1 322	14 121	5 857	223 359	74 208	10 203	2 006 384	1 084 452
Georgia	513	3 364	1 880	43 436	19 584	3 163	383 829	240 268
Hawaii	21	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Idaho	43	244	118	2 631	1 092	196	21 389	13 688
Illinois	315	2 061	953	41 817	14 771	1 524	292 878	162 056
Indiana	254	1 145	648	17 139	8 049	1 105	118 683	75 559
Iowa	99	488	268	8 139	3 511	432	59 145	42 364
Kansas	190	868	536	11 189	5 398	914	104 176	57 066
Kentucky	153	774	412	10 350	4 719	658	99 788	55 806
Louisiana	262	1 670	949	25 810	11 713	1 565	159 346	109 266
Maine	47	284	126	3 316	1 589	229	22 423	10 874
Maryland	268	3 543	1 827	74 227	28 504	3 117	715 786	362 781
Massachusetts	287	1 308	750	18 642	9 467	1 258	130 920	78 224
Michigan	246	920	457	16 319	6 121	731	113 641	68 649
Minnesota	262	1 904	1 150	34 523	16 511	1 864	246 338	135 183
Mississippi	77	426	264	4 748	2 601	441	35 470	25 609
Missouri	231	1 903	1 183	34 060	17 062	1 938	204 948	115 091
Montana	50	210	151	2 618	1 524	256	16 164	11 090
Nebraska	116	489	287	7 818	3 610	444	61 254	34 011
Nevada	52	529	281	12 108	5 065	505	102 158	36 710
New Hampshire	84	424	270	7 547	4 301	505	46 344	25 682
New Jersey	502	2 611	1 234	45 867	16 163	2 070	393 177	228 229
New Mexico	184	1 132	701	14 614	7 489	1 078	91 610	57 743
New York	562	3 677	1 673	58 033	21 459	2 912	416 334	232 702
North Carolina	435	2 917	1 521	38 648	16 763	2 632	327 068	216 156
North Dakota	24	207	112	2 628	1 426	188	21 157	18 200
Ohio	382	2 097	1 233	34 937	18 328	2 052	300 072	168 937
Oklahoma	295	1 541	903	24 716	11 278	1 498	186 817	120 684
Oregon	209	828	400	14 091	5 044	615	101 159	67 114
Pennsylvania	333	2 818	1 693	38 514	20 516	2 840	251 164	158 936
Rhode Island	53	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South Carolina	166	1 318	678	19 687	6 868	1 061	111 523	62 632
South Dakota	12	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Tennessee	302	1 935	1 231	25 158	13 385	2 133	158 547	102 589
Texas	1 577	14 847	7 050	264 705	94 355	12 075	2 731 581	1 735 051
Utah	121	808	506	12 725	5 887	746	85 172	44 211
Vermont	51	207	147	2 410	1 656	261	18 617	13 914
Virginia	470	3 686	2 011	57 671	25 093	3 397	537 842	299 617
Washington	386	2 349	1 381	40 253	15 402	2 180	310 274	207 784
West Virginia	96	372	270	4 025	3 046	469	20 473	15 871
Wisconsin	102	542	270	8 782	3 514	435	62 004	39 872
Wyoming	54	305	190	5 516	3 021	271	47 171	30 686

1982—Con.						1977			Relative standard error of estimate (percent) for column—			Location of establishment
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
5 749 452	3 837 196	6 716 619	97 517	261 422	3 298 061	173 819	19 812 272	5 229 031	(W)	(W)	(W)	U.S.
29 458	42 878	48 608	498	1 678	18 317	3 663	333 477	120 853	10	10	17	Ala.
*9 245	41 136	33 347	393	1 572	19 813	398	40 021	8 163	12	12	15	Alaska
266 240	81 037	331 263	5 315	6 305	129 020	4 653	555 782	153 251	3	2	3	Ariz.
24 140	14 269	15 915	184	767	19 018	1 642	136 757	38 275	10	10	9	Ark.
1 243 522	342 004	1 291 283	22 899	55 993	589 357	23 148	4 344 629	1 243 813	1	(W)	(W)	Calif.
274 068	193 490	327 281	5 054	6 473	92 205	4 151	635 166	166 200	6	2	4	Colo.
41 149	40 850	45 651	505	1 158	49 262	2 005	283 399	95 840	7	9	9	Conn.
12 001	8 293	15 244	98	407	25 265	396	37 981	11 509	17	18	28	Del.
14 094	12 498	34 277	(D)	1 113	28 453	1 574	74 002	24 049	14	24	3	D.C.
741 084	419 922	921 932	11 156	49 045	434 733	15 837	1 304 402	330 528	1	1	(W)	Fla.
114 708	132 894	143 561	1 176	3 106	60 105	3 603	329 460	63 131	6	5	7	Ga.
(S)	(S)	(S)	(S)	(S)	(S)	1 134	136 045	62 310	-	-	-	Hawaii
7 298	6 462	7 701	41	*68	2 747	852	69 843	14 577	33	32	40	Idaho
88 877	76 178	130 822	1 833	1 932	65 111	5 895	953 320	210 643	5	4	4	Ill.
30 155	46 382	43 124	650	7 555	35 721	3 775	304 532	(D)	8	9	1	Ind.
24 725	18 573	16 781	205	922	19 936	1 746	128 214	32 004	15	20	6	Iowa
21 650	36 168	47 110	372	1 497	35 960	1 540	135 327	32 408	13	13	12	Kans.
36 904	23 148	43 982	260	525	20 210	1 826	164 477	43 876	11	9	10	Ky.
54 100	59 089	50 080	774	2 017	30 958	3 069	238 139	67 512	8	7	8	La.
6 045	6 239	*11 549	56	389	6 649	530	38 271	10 242	19	22	15	Maine
248 294	128 060	353 005	7 585	16 980	152 164	5 090	609 329	144 983	3	2	1	Md.
46 763	35 741	52 696	323	2 692	60 221	1 824	155 844	53 840	8	9	18	Mass.
40 280	30 531	44 992	677	1 475	25 409	2 566	355 894	73 936	8	7	10	Mich.
72 738	63 976	111 155	1 377	2 403	44 824	2 869	304 526	84 718	7	5	10	Minn.
11 560	14 298	9 861	391	391	11 547	1 059	99 588	19 937	15	22	37	Miss.
70 267	49 954	89 857	897	3 702	44 952	3 541	269 895	68 421	5	6	10	Mo.
9 225	3 466	5 074	81	*660	3 458	613	67 104	21 266	25	22	46	Mont.
13 095	21 328	27 243	356	1 058	17 283	1 203	128 495	31 711	13	16	11	Nebr.
26 349	14 657	65 448	1 406	559	8 836	896	131 532	26 347	7	5	4	Nev.
11 646	16 098	20 662	242	396	10 257	804	90 371	22 101	13	12	11	N.H.
137 137	97 293	164 948	810	11 515	90 840	3 937	454 729	152 592	5	4	3	N.J.
36 178	23 728	33 866	533	1 258	13 158	2 029	120 949	33 070	10	10	22	N. Mex.
129 665	111 506	183 632	1 529	5 900	141 013	4 320	493 254	125 077	5	5	18	N.Y.
69 438	153 357	110 912	941	6 495	50 380	4 260	365 533	107 853	5	4	18	N.C.
12 152	6 477	2 957	168	450	3 150	1 317	78 223	33 486	24	14	33	N. Dak.
86 247	89 237	131 135	1 351	2 213	82 106	6 656	786 959	198 463	6	5	7	Ohio
56 747	65 462	66 133	761	3 057	40 462	1 690	142 681	32 295	9	7	11	Okla.
53 565	20 430	34 045	663	1 525	49 469	2 608	245 399	62 643	9	10	25	Oreg.
89 327	73 992	92 228	1 012	2 700	68 627	5 251	492 977	141 934	7	5	11	Pa.
(S)	(S)	(S)	(S)	(S)	(S)	533	38 308	(D)	-	-	-	R.I.
44 818	29 958	48 891	1 143	3 632	82 194	1 844	140 515	31 362	13	11	3	S.C.
(S)	(S)	(S)	(S)	(S)	(S)	535	28 813	7 442	-	-	-	S. Dak.
55 054	54 386	55 957	825	1 765	44 085	3 534	284 733	78 156	8	8	14	Tenn.
939 244	822 859	996 530	14 257	26 554	273 936	15 195	1 860 704	430 446	2	1	3	Tex.
29 506	21 754	40 961	1 074	9 713	29 574	1 889	180 335	30 984	9	13	8	Utah
6 951	8 615	4 703	68	132	6 048	262	12 845	3 482	28	30	28	Vt.
153 440	152 039	238 225	3 837	2 532	118 412	7 471	764 607	220 006	4	3	7	Va.
145 489	70 422	102 490	2 324	3 346	36 991	4 595	560 734	151 560	4	3	11	Wash.
8 248	8 758	4 602	81	160	5 848	1 604	77 471	17 601	17	16	24	W. Va.
23 431	17 442	22 132	331	4 249	33 544	1 976	186 091	46 405	11	12	1	Wis.
17 999	13 032	16 485	228	613	10 235	415	40 593	11 999	15	14	28	Wyo.

Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Item	1982	1977	Relative standard error of estimate (percent)	
			1982	1977
Total construction receipts	15 826 517	19 812 272	1	1
Building construction	15 741 865	19 671 322	1	1
Single-family houses	13 701 357	17 657 301	1	1
Apartment buildings with two or more apartments	1 137 390	1 395 291	2	2
Other residential buildings	135 462	42 051	3	4
Industrial buildings and warehouses	218 564	234 103	4	4
Office and bank buildings	302 149	145 509	2	6
Stores, restaurants, public garages, and automobile service stations	142 400	134 425	4	7
Other nonresidential buildings	104 543	62 644	4	12
Nonbuilding construction	41 536	89 340	8	7
Construction work, n.s.k.	43 116	51 627	6	20

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The following abbreviations and symbols are used in the tables in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others.
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts."
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- (X) Not applicable.
- n.s.k. Not specified by kind.

